J. Chem. Tech. Biotechnol. 1996, **67**, 417–419

Contents of Volume 67

Number 1

Review

1 Chirotechnology: Designing Economic Chiral Syntheses
R. A. Sheldon (Netherlands)

Papers

15 Some Aspects of Kinetics and Mechanism of the Oxidative Coupling of Methane
M. Sohrabi, B. Dabir, A. Eskandari & R. D. Golpasha (Iran)

21 Supercritical CO_2 Extraction of Essential Oils and Cuticular Waxes from Peppermint Leaves
B. C. Roy, M. Goto, A. Kodama & T. Hirose (Japan)

27 Sequencing Batch Reactor System for Nutrient Removal: ORP and pH Profiles
C. H. Chang & O. J. Hao (USA)

39 Oxidation of Aqueous Sulfur Dioxide Catalyzed by Poly-4-vinylpyridine-Cu(II) Complex. Part 1: Homogeneous Phase Oxidation
S. S. Kumar, V. M. H. Govindarao & M. Chanda (India)

53 High Ethoxylated Alcohols with Narrow Distribution of Homologues
W. Hreczuch, W. Miszkiewicz, J. Szymanowski, J. Zimoch & A. Jerzykiewicz (Poland)

61 Chlorination of Pt–Re/Al_2O_3 During Naphtha Reforming
C. L. Pieck, M. R. Sad & J. M. Parera (Argentina)

67 A Process for the Complete Fractionation of Baker's Yeast
M. A. Otero, M. del C. Vasallo, O. Verdecia, V. Fernández & D. Betancourt (Cuba)

72 Selective Hydrogenation of Cyclopentadiene over Supported Metal Catalysts
N. S. Figoli, J. P. Barberis & P. C. L'Argentière (Argentina)

77 Characterization of Composite Membrane of Poly(vinyl alcohol) and Regenerated Silk Fibroin for Immobilization of Horseradish Peroxidase and an Amperometric Neckelocene-Mediated Sensor Sensitive to Hydrogen Peroxide
H. Liu, X. Zhang, Z. Zhang, D. Qi, Y. Fan, Y. Liu, S. Liu, T. Yu & J. Deng (P.R. China)

84 By-products of Ethoxylation of Simple Alcohols in the Presence of Tripropylamine
J. Poskrobko, E. Milchert, H. Poskrobko & E. Dziwiński (Poland)

89 Chemoenzymic Synthesis of Optically Active 3-Methyl- and 3-Butylphthalides
T. Izumi, O. Itou & K. Kodera (Japan)

96 Achieving Clean Technology in the Fish-Meal Industry by Addition of a New Process Step
M. Roeckel, E. Aspé & M. C. Martí (Chile)

105 Book Reviews

107 Patent Abstracts

Number 2

Review

109 Microbial Attack on Sulphur-Containing Hydrocarbons: Implications for the Biodesulphurisation of Oils and Coals
J. L. Shennan (UK)

Papers

124 Syntheses and Insecticidal Activities of Novel 2,5-Disubstituted-1,3,4-oxadiazoles
X. Qian & R. Zhang (P.R. China)

131 Factors Influencing the Kinetics of the Alkaline Depolymerisation of Poly(ethylene terephthalate). I: The Effect of Solvent
M. J. Ramsden & J. A. Phillips (UK)

137 Recovery of Copper from Sulphate Medium by Lix-84 in Kerosene
A. I. Ali, J. A. Daoud & H. F. Aly (Egypt)

143 Continuous Production of Thrombomodulin from a *Pichia pastoris* Fermentation
Y. Chen, J. Krol, J. Cino, D. Freedman, C. White & E. Komives (USA)

149 Synthesis and Performance Characteristics of Methylmethacrylate–Divinylbenzene Copolymer-Based Chelating Resin for Gallium Metal Recovery
A. Varadharaj, S. Lahiri, R. Meyyappan & S. Pitchumani (India)

153 Bis(methylthio)methylene Malononitrile in the Synthesis of Heterocyclic Compounds with Bridgehead Nitrogen
E. I. El-Desoky, S. Aboul-Fetouh & M. A. Metwally (Egypt)

J. Chem. Tech. Biotechnol. **67** (1996)—© 1996 SCI. Printed in Great Britain

157 Mycelium-Bound Lipase from a Locally Isolated Strain of *Aspergillus flavus* Link: Pattern and Factors Involved in its Production
K. Long, H. M. Ghazali, A. Ariff, K. Ampon (Malaysia) & C. Bucke (UK)

164 The Oxidative Coupling of Methane by Sodium Promoted Lanthanide Catalysts
N.-B. Wong, K.-C. Tin (Hong Kong), Q.-M. Zhu, M.-Z. Zhang & X.-Q. Qiu (P.R. China)

169 Treatment of Fishery Washing Water by Ultrafiltration
N. Mameri, D. Abdessemed, D. Belhocine, H. Lounici (Algeria), C. Gavach, J. Sandeaux & R. Sandeaux (France)

176 Kinetics of Acetic Acid Addition to Epichlorohydrin in the Presence of Chromium Acetate and Chromic Anhydride
A. Bukowska & W. Bukowski (Poland)

183 Chemical and Thermal Regeneration of an Activated Carbon Saturated with Chlorophenols
M. A. Ferro-Garcia, J. Rivera-Utrilla, I. Bautista-Toledo & C. Moreno-Castilla (Spain)

190 A Kinetic Model for Enzymatic Reactions in a Reverse Micellar System, Involving Water-Insoluble Substrate
M. J. Hossain, Y. Hayashi, N. Shimizu & T. Kawanishi (Japan)

195 Separation of Tungstates from Aqueous Mixtures Containing Impurities (Arsenate, Phosphate and Silicate Anions) Using Ion Flotation
A. I. Zouboulis, Y.-C. Zhao & K. A. Matis (Greece)

204 Catalytic Reduction of SO_2 with Methane over Molybdenum Catalyst
T. S. Wiltowski, K. Sangster & W. S. O'Brien (USA)

213 Book Reviews

215 Patent Abstracts

Number 3

Review

217 Oligosaccharide Synthesis Using Glycosidases
C. Bucke (UK)

Papers

221 Photooxidation of Some Mono-, Di-, and Tri-chlorophenols in Aqueous Solution by Hydrogen Peroxide/UV Combinations
R. Apak & M. Hugül (Turkey)

227 Phenol Removal by Modified Peroxidases
E. Miland, M. R. Smyth & C. O. Fágáin (Republic of Ireland)

237 Photocatalyzed Degradation of Phenol, 2,4-Dichlorophenol, Phenoxyacetic Acid and 2,4-Dichlorophenoxyacetic Acid over Supported TiO_2 in a Flow System
M. Trillas, J. Peral & X. Domènech (Spain)

243 Pressure Cycling to Enhance an Immobilized Enzymic Reaction by Enzyme Entrapment in a Pressure-Sensitive Gel
Y. Wang, X. Zhong & S. Wang (P.R. China)

248 Adsorption Characteristics of Microporous Carbons from Apricot Stones Activated by Phosphoric Acid
C. A. Philip & B. S. Girgis (Egypt)

255 Continuous Production of Uniform Calcium Alginate Beads by Sound Wave Induced Vibration
H.-H. Lee, O.-J. Park, J. M. Park & J. W. Yang (Korea)

260 Extraction Kinetics of Organic Acids with Tri-*n*-octylphosphine Oxide
M. Matsumoto, S. Uenoyama, T. Hano, M. Hirata & S. Miura (Japan)

265 Investigation of the Hydrogenation of Some Substituted Alkylbenzenes in a Laboratory Scale Trickle-Bed Reactor
T.-K. Rantakylä, S. Toppinen, T. Salmi & J. Aittamaa (Finland)

276 Simultaneous On-line Monitoring of Glucose and Total Malto Sugar in Fermentation Processes using an FIA System
E. F. Umoh, A. B. v. Putten & K. Schügerl (Germany)

281 An Amperometric Biosensor Based on Immobilised Glucose Oxidase Employing *p*-Benzoquinone as Electron Shuttle
J. Qian, Y. Liu, H. Liu, T. Yu & J. Deng (P.R. China)

286 A Simple Method for Obtaining Kinetic Equations to Describe the Enzymatic Hydrolysis of Biopolymers
P. González-Tello, F. Camacho, E. Jurado & E. M. Guadix (Spain)

291 Morpholine Biodegradation in a Bioreactor
C. Lamant & M. Y. Jaffrin (France)

302 Anaerobic Treatment of Leachates in a Pilot-Scale UASB: Strategy of Start-up
J. Berrueta, A. Gutiérrez & G. Fueyo (Spain)

315 Book Reviews

317 Patent Abstracts

Number 4

Comment

319 Radioresistant Bacteria: Have They Got Industrial Uses?
P. R. Binks (UK)

Papers

323 Comparison between Supported Gas Membrane Process and Supported Liquid Membrane Process for the Separation of NH_3 from Aqueous Media Containing NH_3 and CO_2
Y. Qin & J. M. S. Cabral (Portugal)

329 The Effect of Surface Active Additives on the Partitioning of Proteins and Enzymes in Aqueous Two-Phase Systems
V. G. Gaikar, S. S. Bodhankar & V. Latha (India)

333 Use of a Three-stage Laboratory Model to Determine the Effects of Temperature on Individual Trophic Groups of Methanogenic Associations Isolated from Anoxic Landfill
A. G. James, I. A. Watson-Craik (UK) & E. Senior (Sth Africa)

339 Photocatalytic Properties of Layered Hydrous Titanium Oxide/CdS–ZnS Nanocomposites Incorporating CdS–ZnS into the Interlayer
T. Sato, K. Masaki, K.-I. Sato, Y. Fujishiro & A. Okuwaki (Japan)

345 Photochemical Reduction of Nitrate to Ammonia Using Layered Hydrous Titanate/Cadmium Sulfide Nanocomposites
T. Sato, K.-I. Sato, Y. Fujishiro, T. Yoshioka & A. Okuwaki (Japan)

350 Microcrystalline-Cellulose Hydrolysis with Concentrated Sulphuric Acid
F. Camacho, P. González-Tello, E. Jurado & A. Rables (Spain)

357 A Strategy to Regulate Continuous Fermentation Processes with Unknown Reaction Rates
R. Aguilar, Jo. Alvarez, J. González & M. A. Barron (Mexico)

362 The Use of Biomass and Stillage Recycle in Conventional Ethanol Fermentation
S. A. Shojaosadati, H. R. Sanaei & S. M. Fatemi (Iran)

367 Extraction and Separation of HCl and Rh(III) with Trioctylamine
S. N. Ashrafizadeh & G. P. Demopoulos (Canada)

376 Improved Cellulose Formation by an *Acetobacter xylinum* Mutant Limited in (Keto)Gluconate Synthesis
P. De Wulf, K. Joris & E. J. Vandamme (Belgium)

381 Phase-Transfer Catalysis of the Reaction of α-Bromo-*p*-xylene with Iron Carbonyls
H.-S. Wu & W.-H. Tan (Taiwan)

388 Prediction of Gas Hold-Up and Liquid Velocity in Airlift Reactors Using Two-Phase Flow Friction Coefficients
E. García-Calvo & P. León (Spain)

397 Recovery of Volatile Organic Compounds Condensed out of Waste Gas-Streams by Selected High Boiling Point Extractants
J. A. Scott (UK), A. J. Daugulis (Canada), M. Trotin, F. Acosta, S. H. Shepherd (UK) & A. Al-Mahmoud (Syria)

404 Design and Verification of a Model Secondary Clarifier for Activated Sludge
K. Grijspeerdt, H. Bogaert & W. Verstraete (Belgium)

413 Book Reviews

415 Patent Abstracts

421 Author Index to Volumes 65–67

425 Subject Index to Volumes 65–67